

On page 3, line 31 to page 4, line 1, please insert after "DPDPE-Phe-Ala-NH-C₆H₁₃", --(SEQ ID NO. 7)--.

On page 4, line 1, please insert after "DPDPE-Phe-Ala-CONH₂", --(SEQ ID NO. 7)--.

On page 4, line 2, please insert after "DPDPE-Arg-Gly", --(SEQ ID NO. 5)--.

On page 4, line 17, please insert after "DSIP-(Lys-Glu)₃", --(SEQ ID NO. 8)--.

On page 4, lines 17-18, please insert after "DSIP-(Glu)₆", --(SEQ ID NO. 9)--.

On page 4, line 18, please insert after "Leu-enkephalin-(Glu)₆", --(SEQ ID NO. 10)--.

On page 4, line 18, please insert after "Leu-enkephalin-(Lys)₆", --(SEQ ID NO. 11)--.

On page 6, line 9, please insert after "H-Tyr-Gly-Gly-Phe-Leu-(Glu)₆-OH", --(SEQ ID NO. 10)--.

On page 6, line 10, please insert after "H-Tyr-Gly-Gly-Phe-Leu-(Lys)₆-OH", --(SEQ ID NO. 11)--.

On page 9, line 15, please insert after "(H-Tyr-Gly-Gly-Phe-Leu-OH)", --(SEQ ID NO. 12)--.

On page 9, line 16, please insert after "(Cys-Tyr-Ile-Gln-Asn-Cys-Pro-Leu-Gly-NH₂)", --(SEQ ID NO. 13)--.

On page 10, lines 9-10, please insert after "(Ile-Glu-Gly-Pro-Thr-Leu-Arg-Gln-Trp-Leu-Ala-Ala-Arg-Ala)", --(SEQ ID NO. 14)--.

On page 10, lines 10-11, please insert after "(Ala-Leu-Leu-Glu-Thr-Tyr-Cys-Ala-Thr-Pro-Ala-Lys-Ser-Glu)", --(SEQ ID NO. 15)--.

NE
On page 10, lines 11-12, please delete "insulin growth factor 1(30-40)" and insert in its place, --insulin growth factor I(30-41)(Gly-Tyr-Gly-Ser-Ser-Ser-Arg-Arg-Ala-Pro-Gln-Thr) (SEQ ID NO. 16)--.

On page 10, lines 12-13, please delete "insulin growth factor 1(24-41)" and insert in its place, --insulin growth factor I(24-41)(Tyr-Phe-Asn-Lys-Pro-Thr-Gly-Tyr-Gly-Ser-Ser-Ser-Arg-Arg-Ala-Pro-Gln-Thr) (SEQ ID NO. 17)--.

On page 10, lines 13-14, please insert after "(Ser-Arg-Val-Ser-Arg-Arg-Ser-Arg)", --(SEQ ID NO. 18)--.

On page 10, lines 14-15, please insert after "(Tyr-Ser-Arg-Val-Ser-Arg-Arg-Ser-Arg)", --(SEQ ID NO. 19)--.

On page 10, lines 15-16, please delete "(Asp-Val-Ser-Thr-Pro-Pro-Thr-Val-Leu-Pro-Asp-Asn-Phe-Pro-Arg-Tyr)" and insert in its place, --(Asp-Val-Ser-Thr-Pro-Pro-Thr-Val-Leu-Pro-Asp-Asn-Phe-Pro-Arg-Tyr) (SEQ ID NO. 20)--.

On page 10, line 17, please delete "(His-DTrp-Ala-Trp-DPhe-Lys-NH₂)" and insert in its place, --(His-DTrp-Ala-Trp-DPhe-Lys-NH₂) (SEQ ID NO. 21)--.

On page 10, lines 17-18, please insert after "(Val-Gln-Gly-Glu-Glu-Ser-Asn-Asp-Lys)", --(SEQ ID NO. 22)--.

On page 10, lines 18-19, please insert after "(Ile-Leu-Asn-Gly-Ile-Asn-Asn-Tyr-Lys-Asn-Pro-Lys-Leu)", --(SEQ ID NO. 23)--.

On page 10, lines 19-20, please insert after “(Leu-Thr-Phe-Lys-Phe-Tyr-~~Met~~-Pro-Lys-Lys-Ala)”, --(SEQ ID NO. ~~24~~)--.

On page 10, lines 20-22, please delete “(His-Gly-Glu-Gly-Thr-Phe-Thr-Ser-Asp-Leu-Ser-Lys-Gln-Met-Glu-Glu-Glu-Ala-Val-Arg-Leu-Phe-Ile-Glu-Trp-Leu-Lys-Asn-Gly-Gly-Pro-Ser-Ser-Gly-Ala-Pro-Pro-Pro-Ser-NH2)” and insert in its place, -- (His-Gly-Glu-Gly-Thr-Phe-Thr-Ser-Asp-Leu-Ser-Lys-Gln-Met-Glu-Glu-Glu-Ala-Val-Arg-Leu-Phe-Ile-Glu-Trp-Leu-Lys-Asn-Gly-Gly-Pro-Ser-Ser-Gly-Ala-Pro-Pro-Pro-Ser-NH2) (SEQ ID NO. 25)--.

On page 10, lines 22-24, please insert after “(His-Ser-Asp-Gly-Thr-Phe-Thr-Ser-Asp-Leu-Ser-Lys-Gln-Met-Glu-Glu-Glu-Ala-Val-Arg-Leu-Phe-~~Ile~~-Glu-Trp-Leu-Lys-Asn-Gly-Gly-Pro-Ser-Ser-Gly-Ala-Pro-Pro-Pro-Ser)”, --(SEQ ID NO. 26)--.

On page 10, line 25, please insert after “Cys(Acm)-Met-His-Ile-Glu-Ser-Leu-Asp-Ser-Tyr-Thr-Cys(Acm)”, --(SEQ ID NO. 27)--.

On page 10, lines 26-27, please delete “(D-Phe-Pro-Arg-Pro-(Gly)4-Asn-Gly-Asp-Phe-Glu-Glu-Ile-Pro-Glu-Glu-Tyr-Leu)” and insert in its place, --(D-Phe-Pro-Arg-Pro-(Gly)4-Asn-Gly-Asp-Phe-Glu-Glu-Ile-Pro-Glu-Glu-Tyr-Leu) (SEQ ID NO. 28)--.

On page 10, lines 27-28, please delete “D-Phe-Pro-Arg-Pro-(Gly)4-Asn-Gly-Asp-Phe-Glu-Glu-Ile-Pro-Glu-Tyr-Leu”, and insert in its place, --(D-Phe-Pro-Arg-Pro-(Gly)4-Asn-Gly-Asp-Phe-Glu-Glu-Ile-Pro-Glu-Tyr-Leu) (SEQ ID NO. 29)--.

On page 10, lines 28-31, please insert after “(Asp-Leu-Arg-Val-Asp-Thr-Lys-Ser-Arg-Ala-Ala-Trp-Ala-Arg-Leu-Leu-Gln-Glu-His-Pro-Asn-Ala-~~Arg~~-Lys-Tyr-Lys-Gly-Ala-Asn-Lys-Lys-Gly-Leu-Ser-Lys-Gly-Cys-Phe-Gly-Leu-Lys-Leu-Asp-Arg-~~He~~-Gly-Ser-Met-Ser-Gly-Leu-Gly-Cys; Disulfide bridge: Cys37-Cys53)”, --(SEQ ID NO. 30)--.

On page 10, line 31 to page 11, line 1, please insert after “(Met-Cys-His-cyclohexylAla-Gly-Gly-Arg-Met-Asp-Arg-Ile-Ser-Cys-Tyr-Arg; disulfide bridge cys2-cys13)”, --(SEQ ID NO. 31)--.

On page 11, lines 1-2, please insert after “(also known as MT-II, alpha-MSH4-10-NH₂, or Ac-Nle4-Asp5-His6-D-Phe7-Arg8-Trp9-Lys10)”, --(SEQ ID NO. 32)--.

On page 11, lines 2-4, please insert after “(Ac-Ser-Asp-Ala-Ala-Val-Asp-Thr-Ser-Ser-Glu-Ile-Thr-Thr-Lys-Asp-Leu-Lys-Glu-Lys-Lys-Glu-Val-Val-Glu-Glu-Ala-Glu-Asn)”, --(SEQ ID NO. 33)--.

On page 11, lines 4-6, please delete “(also known as 8-ornithine-vasopressin, (POR-8), [Phe2,Ile3,Orn8]vasopressin), Cys-Phe-Ile-Gln-Asn-Cys-Pro-Orn-Gly-NH₂, Disulfide bridge: Cys1-Cys6)” and replace with --(also known as 8-ornithine-vasopressin, (POR-8), [Phe2,Ile3,Orn8]vasopressin or Cys-Phe-Ile-Gln-Asn-Cys-Pro-Orn-Gly-NH₂, Disulfide bridge: Cys1-Cys6) (SEQ ID NO. 34)--.

On page 11, lines 6-7, please insert after “(DPhe-Cys-Phe-DTrp-Lys-Thr-Cys-Thr-ol; disulfide bridge: Cys2-Cys7)”, --(SEQ ID NO. 35)--.

On page 11, lines 8-10, please insert after “(Ala-Cys-Asp-Thr-Ala-Thr-Cys-Val-Thr-His-Arg-Leu-Ala-Gly-Leu-Leu-Ser-Arg-Ser-Gly-Gly-Val-Val-Lys-Asn-Asn-Phe-Val-Pro-Thr-Asn-Val-Gly-Ser-Lys-Ala-Phe-NH₂; Disulfide bridge: Cys2-Cys7)”, --(SEQ ID NO. 36)--.

On page 11, line 10, please delete “Tyr-Pro-Trp-Phe-NH₂”, and insert in its place, --(Tyr-Pro-Trp-Phe-NH₂) (SEQ ID NO. 37)--.

On page 11, lines 10-11, please delete “Tyr-Pro-Phe-Phe-NH₂”, and insert in its place, --(Tyr-Pro-Phe-Phe-NH₂) (SEQ ID NO. 38)--.

On page 11, lines 11-12, please insert after “(also known as Orphanin FQ, Phe-Gly-Gly-Phe-Thr-Gly-Ala-Arg-Lys-Ser-Ala-Arg-Lys-Leu-Ala-Asn-Gln)”, --(SEQ ID NO. 39)--.

On page 11, lines 12-13, please insert after “(Asp-Arg-Val-Tyr-Ile-His-Pro-Phe-His-Leu-Val-Ile-His)”, --(SEQ ID NO. 40)--.

On page 11, lines 13-14, please insert after “(Tyr-Arg-Gln-Ser-Met-Asn-Asn-Phe-Gln-Gly-Leu-Arg)”, --(SEQ ID NO. 41)--.

On page 11, lines 14-15, please insert after “(Gly-Pro-Hyp-Gly-Ala-Gly)”, --(SEQ ID NO. 42)--.

On page 11, lines 15-16, please insert after “(Ile-Leu-Pro-Trp-Lys-Trp-Pro-Trp-Trp-Pro-Trp-Arg-Arg-NH₂)”, --(SEQ ID NO. 43)--.

On page 11, lines 16-17, please insert after “(Gly-Phe-Gln-Glu-Ala-Tyr-Arg-Arg-Phe-Tyr-Gly-Pro-Val)”, --(SEQ ID NO. 44)--.

On page 11, lines 17-18, please delete “(Glp)-Glu-Arg-Pro-Pro-Leu-Gln-Gln-Pro-Pro-His-Arg-Asp)”, and insert – ((Glp)-Glu-Arg-Pro-Pro-Leu-Gln-Gln-Pro-Pro-His-Arg-Asp) (SEQ ID NO. 45)--.

On page 11, lines 18-19, please delete “Pro-Cys-Lys-Asn-Phe-Phe-Trp-Lys-Thr-Phe-Ser-Ser-Cys-Lys; Disulfide bridge: Cys2-Cys13”, and insert (Pro-Cys-Lys-Asn-Phe-Phe-Trp-Lys-Thr-Phe-Ser-Ser-Cys-Lys; Disulfide bridge: Cys2-Cys13) (SEQ ID NO. 46)--.

On page 11, lines 19-20, please insert after “(Ac-D-Bhg-Leu-Asp-Ile-Ile-Trp)”, --(SEQ ID NO. 47)--.

On page 11, line 20, please insert after “(Ac-D-Dip-Leu-Asp-Ile-Ile-Trp)”, --(SEQ ID NO. 48)--.

On page 11, line 21, please insert after “(His-His-Leu-Gly-Gly-Ala-Lys-Gln-Ala-Gly-Asp-Val)”, --(SEQ ID NO. 49)--.

On page 11, lines 21-22, please insert after “(Asn-Val-Ile-Gln-Ile-Ser-Asn-Asp-Leu-Glu-Asn-Leu-Arg)”, --(SEQ ID NO. 50)--.

On page 11, lines 22-23, please insert after “(Boc-Arg-Ala-DTrp-Phe-DPro-Pro-Nle-NH₂)”, --(SEQ ID NO. 51)--.

On page 11, line 23, please insert after “(Tyr-Pro-Trp-Gly-NH₂)”, --(SEQ ID NO. 52)--.

On page 11, line 24, please insert after “(Thr-Arg-Ser-Ala-Trp)”, --(SEQ ID NO. 53)--.

On page 11, lines 24-25, please delete “Asp-Arg-Val-Tyr-Ile-His-Pro-Phe-His-Leu-Val-Ile-His-Asn”, and insert --(Asp-Arg-Val-Tyr-Ile-His-Pro-Phe-His-Leu-Val-Ile-His-Asn) (SEQ ID NO. 54)--.

On page 14, line 14, please insert after “Lys-Lys-Lys-Lys”, --(SEQ ID NO. 55)--.

On page 14, line 17, please insert after “Lys-Lys-Lys-Lys-Lys”, --(SEQ ID NO. 56)--.

On page 14, line 17, please insert after “Xaa-Lys-Lys-Lys-Lys”, --(SEQ ID NO. 57)--.

On page 14, lines 17-18, please insert after “Lys-Xaa-Lys-Lys-Lys”, --(SEQ ID NO. 58)--.

On page 14, line 18, please insert after “Lys-Lys-Xaa-Lys-Lys”, --(SEQ ID NO. 59)--.

On page 14, line 18, please insert after “Lys-Lys-Lys-Xaa-Lys”, --(SEQ ID NO. 60)--.

On page 14, line 18, please insert after "Lys-Lys-Lys-Lys-Xaa", --(SEQ ID NO. 61)--.

On page 14, line 25, please insert after "Lys-Lys-Lys-Lys-Lys-Lys", --(SEQ ID NO. 62)--.

On page 14, lines 25-26, please insert after "Xaa-Lys-Lys-Lys-Lys-Lys", --(SEQ ID NO. 63)--.

On page 14, line 26, please insert after "Lys-Xaa-Lys-Lys-Lys-Lys", --(SEQ ID NO. 64)--.

On page 14, line 26, please insert after "Lys-Lys-Xaa-Lys-Lys-Lys", --(SEQ ID NO. 65)--.

On page 14, lines 26-27, please insert after "Lys-Lys-Lys-Xaa-Lys-Lys", --(SEQ ID NO. 66)--.

On page 14, line 27, please insert after "Lys-Lys-Lys-Lys-Xaa-Lys", --(SEQ ID NO. 67)--.

On page 14, line 27, please insert after "Lys-Lys-Lys-Lys-Lys-Xaa", --(SEQ ID NO. 68)--.

On page 14, lines 27-28, please insert after "Xaa-Xaa-Lys-Lys-Lys-Lys", --(SEQ ID NO. 69)--.

On page 14, line 28, please insert after "Xaa-Lys-Xaa-Lys-Lys-Lys", --(SEQ ID NO. 70)--.

On page 14, line 28, please insert after "Xaa-Lys-Lys-Xaa-Lys-Lys", --(SEQ ID NO. 71)--.

On page 14, line 28, please insert after "Xaa-Lys-Lys-Lys-Xaa-Lys", --(SEQ ID NO. 72)-

On page 14, line 29, please insert after "Xaa-Lys-Lys-Lys-Lys-Xaa", --(SEQ ID NO. 73)--

On page 14, line 29, please insert after "Lys-Xaa-Xaa-Lys-Lys-Lys", --(SEQ ID NO. 74)--

On page 14, line 29, please insert after "Lys-Xaa-Lys-Xaa-Lys-Lys", --(SEQ ID NO. 75)--

On page 14, lines 29-30, please insert after "Lys-Xaa-Lys-Lys-Xaa-Lys", --(SEQ ID NO. 76)--.

On page 14, line 30, please insert after "Lys-Xaa-Lys-Lys-Lys-Xaa", --(SEQ ID NO. 77)--

On page 14, line 30, please insert after "Lys-Lys-Xaa-Xaa-Lys-Lys", --(SEQ ID NO. 78)--

On page 14, lines 30-31, please insert after "Lys-Lys-Xaa-Lys-Xaa-Lys", --(SEQ ID NO. 79)--.

On page 14, line 31, please insert after "Lys-Lys-Xaa-Lys-Lys-Xaa", --(SEQ ID NO. 80)--

On page 14, line 31, please insert after "Lys-Lys-Lys-Xaa-Xaa-Lys", --(SEQ ID NO. 81)--

On page 14, lines 31-32, please insert after "Lys-Lys-Lys-Xaa-Lys-Xaa", --(SEQ ID NO. 82)--.

On page 14, line 32, please insert after "Lys-Lys-Lys-Lys-Xaa-Xaa", --(SEQ ID NO. 83)--.

On page 16, line 11, please insert after "(Lys-Glu)₃", --(SEQ ID NO. 84)--.

On page 16, line 11, please insert after "(Glu-Lys)₃", --(SEQ ID NO. 85)--.

On page 16, line 18, please insert after "Lys₃-Glu₃", --(SEQ ID NO. 86)--.

On page 16, line 18, please insert after "Glu₃-Lys₃", --(SEQ ID NO. 87)--.

On page 19, line 21, please insert after "(GHRH(1-44)(Human)-Lys₆-NH₂)", --(SEQ ID NO. 88)--.

On page 19, line 25, please insert after "(GHRH (1-44)(Human)-Glu₆-NH₂)", --(SEQ ID NO. 89)--.

On page 19, lines 28-29, please insert after "(Lys₆-PTH(1-34)(Human)-OH)", --(SEQ ID NO. 90)--.

On page 20, lines 2-3, please insert after "(PTH(1-34)(Human)-Lys₆-OH)", --(SEQ ID NO. 91)--.

On page 20, line 6, please insert after "(GLP-1-(7-36)(Human)-Lys₆-OH)", --(SEQ ID NO. 92)--.

On page 20, line 9, please insert after "(EMP-1-Lys₆-OH)", --(SEQ ID NO. 93)--.

On page 20, line 12, please insert after "(Lys6-EMP-1-OH)", --(SEQ ID NO. 94)--.

On page 20, line 15, please insert after "(Lys6-EMP-1-Lys6-OH)", --(SEQ ID NO. 95)--.

On page 20, line 18, please insert after "(GHRP-(Lys)6-NH2)", --(SEQ ID NO. 96)--.

On page 20, lines 20-21, please insert after "(Leu-enkephalin-Lys-Lys-Glu-Glu-Glu-Lys-OH)", --(SEQ ID NO. 97)--.

On page 20, lines 23-24, please insert after "(Leu-enkephalin-Lys-Glu-Glu-Glu-Glu-Lys-OH)", --(SEQ ID NO. 98)--.

On page 20, line 26, please delete "H-Tyr-Gly-Gly-Phe-Leu-Lys-Glu-Glu-Glu-Glu-Lys-OH (Leu-enkephalin-(Lys-Glu)3) and insert -H-Tyr-Gly-Gly-Phe-Leu-Lys-Glu-Lys-Glu-Lys-Glu-OH(Leu-enkephalin-(Lys-Glu)3) (SEQ ID NO. 99)--.

On page 20, line 28, please insert after "(Leu-enkephalin-(Dpr)6-OH)", --(SEQ ID NO. 100)--.

On page 20, line 30, please insert after "(H-Lys6-Leu-enkephalin)", --(SEQ ID NO. 101)--.

On page 21, line 3, please insert after "(H-Lys6-Leu-enkephalin-Lys6-OH)", --(SEQ ID NO. 102)--.

On page 21, line 5, please insert after "(GnRH-Lys6-OH)", --(SEQ ID NO. 103)--.

On page 21, line 7, please insert after "(GnRH-(Lys-Glu)3-OH)", --(SEQ ID NO. 104)--.

On page 21, lines 10-11, please insert after "(PTH 1-34 human-(Lys-Glu)₃-OH)", --(SEQ ID NO. 105)--.

On page 44, line 18, please insert after "(Leu-enkephalin-Glu₆-OH)", --(SEQ ID NO. 10)--.

On page 44, line 22, please insert after "Glu₆", --(residues 6-12 in SEQ ID NO. 10)--.

On page 45, line 5, please insert after "(Leu-enkephalin-Lys₆-OH)", --(SEQ ID NO. 11)--.

On page 45, line 9, please insert after "Lys₆", --(SEQ ID NO. 62)--.

On page 45, line 24, please insert after "(H-Lys₆-Leu-enkephalin)", --(SEQ ID NO. 101)--.

On page 45, lines 29-30, please insert after "H-Lys₆-enkephalin sequence", --(SEQ ID NO. 101)--.

On page 46, lines 10-11, please insert after "(H-Lys₆-Leu-enkephalin-Lys₆-OH)", --(SEQ ID NO. 102)--.

On page 46, line 14, please insert after "Lys₆", --(SEQ ID NO. 62)--.

On page 46, line 15, please insert after "H-Lys₆-enkephalin sequence", --(SEQ ID NO. 101)--.

On page 46, line 27, please insert after "(Leu-enkephalin-Lys-Lys-Glu-Glu-Glu-Lys-OH)", --(SEQ ID NO. 97)--.

On page 47, line 10, please insert after “(Leu-enkephalin-Lys-Glu-Glu-Glu-Lys-OH)”, --(SEQ ID NO. 98)--.

On page 47, line 26, please insert after “(Leu-enkephalin-(Orn)₆-OH)”, --(SEQ ID NO. 106)--.

On page 48, line 11, please insert after “(Leu-enkephalin-(Dbu)₆-OH)”, --(SEQ ID NO. 107)--.

On page 48, line 27, please insert after “(Leu-enkephalin-(Dpr)₆-OH)”, --(SEQ ID NO. 108)--.

On page 49, line 10, please insert after “(Leu-enkephalin-Lys₁₀-OH)”, --(SEQ ID NO. 109)--.

On page 49, line 27, please insert after “(DSIP-Glu₆-OH)”, --(SEQ ID NO. 9)--.

On page 49, line 30, please insert after “Glu₆”, -- (residues 10-15 of SEQ ID NO. 9)--.

On page 49, line 31, please insert after “DSIP sequence”, --(SEQ ID NO. 110)--.

On page 50, lines 13-14, please insert after “(DSIP-(Lys-Glu)₃-OH)”, --(SEQ ID NO. 8)--.

On page 50, line 17, please insert after “(LysGlu)₃”, --(SEQ ID NO. 84)--.

On page 50, line 18, please insert after “DSIP sequence”, --(SEQ ID NO. 110)--.

On page 51, line 1, please insert after “(DSIP)”, --(SEQ ID NO. 110)--.

On page 51, line 8, please insert after "DSIP sequence", --(SEQ ID NO. 110)--.

On page 51, lines 22-23, please insert after "H-Arg-Pro-Lys-Pro-Gln-Gln-Phe-Phe-Gly-Leu-Met-Lys₆-OH (Substance P-Lys₆-OH)", --(SEQ ID NO. 111)--.

On page 51, line 25, please insert after "Lys₆", --(SEQ ID NO. 62)--.

On page 51, line 26, please insert after "Substance P sequence", --(SEQ ID NO. 112)--.

On page 52, line 7, please insert after "(Substance-P-NH₂) ", --(SEQ ID NO. 112)--.

On page 52, line 23, please insert after "(Substance-P-Lys₆-NH₂) ", --(SEQ ID NO. 111)--.

On page 53, line 8, please insert after "(K₆-Substance-P-NH₂)", --(SEQ ID NO. 113)--.

On page 53, line 23, please insert after "(GHRP-(Lys)₆-NH₂)", --(SEQ ID NO. 96)--.

On page 54, line 22, please insert after "(K₆-GHRP-NH₂)", --(SEQ ID NO. 114)--.

On page 55, line 7, please insert after "(GnRH-Lys₆-OH)", --(SEQ ID NO. 103)--.

On page 55, line 10, please insert after "Lys₆", --(SEQ ID NO. 62)--.

On page 55, line 11, please insert after "GnRH sequence", --(SEQ ID NO. 115)--.

On page 55, lines 24-25, please insert after "pGlu-His-Trp-Ser-Tyr-Gly-Leu-Arg-Pro-Gly-(Lys-Glu)₃-OH (GnRH-(Lys-Glu)₃-OH)", --(SEQ ID NO. 104)--.

On page 55, line 28, please insert after "(Lys-Glu)₃ ", --(SEQ ID NO. 84)--.

On page 55, line 29, please insert after "GnRH sequence", --(SEQ ID NO. 115)--.

On page 56, lines 11-12, please delete "pGlu-His-Trp-Ser-Tyr-Gly-Leu-Arg-Pro-Gly-NH₂ (GnRH-NH₂) NH₂" and insert in its place --pGlu-His-Trp-Ser-Tyr-Gly-Leu-Arg-Pro-Gly-NH₂ (GnRH-NH₂) (SEQ ID NO. 115)--.

On page 56, lines 26-27, please delete "(K₆-GnRH-NH₂) NH₂", and insert in its place, --(K₆-GnRH-NH₂) (SEQ ID NO. 116)--.

On page 57, lines 9-10, please insert after "(EMP-1-OH) ", --(SEQ ID NO. 117)--.

On page 57, lines 26-27, please insert after "(EMP-1-Lys₆-OH)", --(SEQ ID NO. 93)--.

On page 58, lines 13-14, please insert after "(K₆-EMP-1-OH)", --(SEQ ID NO. 94)--.

On page 58, lines 30-32, please insert after "(GLP-1-(7-36)(Human)-OH)", --(SEQ ID NO. 118)--.

On page 59, lines 14-16, please insert after "(GLP-1-(7-36)(Human)-Lys₆-OH)", --(SEQ ID NO. 92)--.

On page 60, lines 1-3, please insert after "(PTH(1-34)(Human)-OH) ", --(SEQ ID NO. 119)--.

On page 60, lines 17-19, please insert after "(PTH(1-34)(Human)-Lys₆-OH)", --(SEQ ID NO. 91)--.

On page 61, lines 2-4, please insert after “(PTH 1-34 human-(Lys-Glu)₃-OH)”, --(SEQ ID NO. 105)--.

On page 61, line 7, please insert after “(Lys-Glu)₃”, --(SEQ ID NO. 84)--.

On page 61, line 8, please insert after “PTH sequence”, --(SEQ ID NO. 119)--.

On page 61, lines 21-23, please insert after “OH (Lys₆-PTH(1-34)(Human)-OH)”, --(SEQ ID NO. 90)--.

On pages 62-65, please delete

“Table 1

HPLC Gradient	Peptide / Peptide Conjugate
25 – 40% B in 15 minutes	H-Ser-Val-Ser-Glu-Ile-Gln-Leu-Met-His-Asn-Leu-Gly-Lys-His-Leu- Asn-Ser-Met-Glu-Arg-Val-Glu-Trp-Leu-Arg-Lys-Lys-Leu-Gln-Asp- Val-His-Asn-Phe-OH (PTH(1-34)(Human)-OH)

25 – 50% B in 15 minutes	H-His-Ala-Glu-Gly-Thr-Phe-Thr-Ser-Asp-Val-Ser-Ser-Tyr-Leu-Glu- Gly-Gln-Ala-Ala-Lys-Glu-Phe-Ile-Ala-Trp-Leu-Val-Lys-Gly-Arg- OH (GLP-1(7-36)(Human)-OH)
25 – 50% B in 15 minutes	H-His-Ala-Glu-Gly-Thr-Phe-Thr-Ser-Asp-Val-Ser-Ser-Tyr-Leu-Glu- Gly-Gln-Ala-Ala-Lys-Glu-Phe-Ile-Ala-Trp-Leu-Val-Lys-Gly-Arg- (Lys) ₆ -OH (GLP-1(7-36)(Human)-(Lys) ₆ -OH)
5 – 50% B in 15 minutes	H-Gly-Gly-Thr-Tyr-Ser-Cys-His-Phe-Gly-Pro-Leu-Thr-Trp-Val- Cys-Lys-Pro-Gln-Gly-Gly-OH (EMP-1-OH)
5 – 50% B in 15 minutes	H-Gly-Gly-Thr-Tyr-Ser-Cys-His-Phe-Gly-Pro-Leu-Thr-Trp-Val- Cys-Lys-Pro-Gln-Gly-Gly-(Lys) ₆ -OH (EMP-1-(Lys) ₆ -OH)
10 – 50% B in 15 minutes	H-(Lys) ₆ -Gly-Gly-Thr-Tyr-Ser-Cys-His-Phe-Gly-Pro-Leu-Thr- Trp-Val-Cys-Lys-Pro-Gln-Gly-Gly-OH ((Lys) ₆ -EMP-1-OH)
10 – 50% B in 15 minutes	H-(Lys) ₆ -Gly-Gly-Thr-Tyr-Ser-Cys-His-Phe-Gly-Pro-Leu-Thr- Trp-Val-Cys-Lys-Pro-Gln-Gly-Gly-(Lys) ₆ -OH ((Lys) ₆ -EMP-1-(Lys) ₆ -OH)
5 – 40% B in 15 minutes	H-Arg-Pro-Lys-Pro-Gln-Gln-Phe-Phe-Gly-Leu-Met-NH ₂ (Substance P-NH ₂)
5 – 40% B in 15 minutes	H-Arg-Pro-Lys-Pro-Gln-Gln-Phe-Phe-Gly-Leu-Met-(Lys) ₆ -NH ₂ (Substance P-(Lys) ₆ -NH ₂)

25 – 40% B in 15 minutes	H-(Lys) ₆ -Arg-Pro-Lys-Pro-Gln-Gln-Phe-Phe-Gly-Leu-Met-NH ₂ <i>((Lys)₆-Substance P-NH₂)</i>
40 – 100% B in 15 minutes	H-Trp-Ala-Gly-Gly-Asp-Ala-Ser-Gly-Glu-OH <i>(DSIP)</i>
40 – 100% B in 15 minutes	H-Trp-Ala-Gly-Gly-Asp-Ala-Ser-Gly-Glu-(Lys-Glu) ₃ -OH <i>(DSIP-(Lys-Glu)₃-OH)</i>
5 – 30% B in 15 minutes	H-Tyr-Gly-Gly-Phe-Leu-OH <i>(Leu-Enkephalin)</i>
5 – 30% B in 15 minutes	H-Tyr-Gly-Gly-Phe-Leu-(Lys) ₆ -OH <i>(Leu-Enkephalin-(Lys)₆-OH)</i>
10 – 35% B in 15 minutes	H-(Lys) ₆ -Tyr-Gly-Gly-Phe-Leu-OH <i>((Lys)₆-Leu-Enkephalin-OH)</i>
10 – 35% B in 15 minutes	H-(Lys) ₆ -Tyr-Gly-Gly-Phe-Leu-(Lys) ₆ -OH <i>((Lys)₆-Leu-Enkephalin-(Lys)₆-OH)</i>
5 – 30% B in 15 minutes	H-Tyr-Gly-Gly-Phe-Leu-(Lys) ₁₀ -OH <i>(Leu-Enkephalin-(Lys)₁₀-OH)</i>
5 – 30% B in 15 minutes	H-Tyr-Gly-Gly-Phe-Leu-(Orn) ₆ -OH <i>(Leu-Enkephalin-(Orn)₆-OH)</i>
5 – 30% B in 15 minutes	H-Tyr-Gly-Gly-Phe-Leu-(Dbu) ₆ -OH <i>(Leu-Enkephalin-(Dbu)₆-OH)</i>
5 – 30% B in 15 minutes	H-Tyr-Gly-Gly-Phe-Leu-(Dpr) ₆ -OH <i>(Leu-Enkephalin-(Dpr)₆-OH)</i>

5 – 30% B in 15 minutes	H-Tyr-Gly-Gly-Phe-Leu-Lys(Glu) ₄ -Lys-OH <i>(Leu-Enkephalin-Lys-(Glu)₄-Lys-OH)</i>
5 – 30% B in 15 minutes	H-Tyr-Gly-Gly-Phe-Leu-Lys-(Glu) ₃ -(Lys) ₂ -OH <i>(Leu-Enkephalin-Lys-(Glu)₃-(Lys)₂-OH)</i>

“

and insert in its place,

--Table 1

HPLC Gradient	Peptide / Peptide Conjugate
25 – 40% B in 15 minutes	H-Ser-Val-Ser-Glu-Ile-Gln-Leu-Met-His-Asn-Leu-Gly-Lys-His-Leu- Asn-Ser-Met-Glu-Arg-Val-Glu-Trp-Leu-Arg-Lys-Lys-Leu-Gln-Asp- Val-His-Asn-Phe-OH <i>(PTH(1-34)(Human)-OH)</i> (SEQ ID NO. 119)
25 – 40% B in 15 minutes	H-Ser-Val-Ser-Glu-Ile-Gln-Leu-Met-His-Asn-Leu-Gly-Lys-His-Leu- Asn-Ser-Met-Glu-Arg-Val-Glu-Trp-Leu-Arg-Lys-Lys-Leu-Gln-Asp- Val-His-Asn-Phe-(Lys) ₆ -OH <i>(PTH(1-34)(Human)-(Lys)₆-OH)</i> (SEQ ID NO. 91)
25 – 40% B in 15 minutes	H-(Lys) ₆ -Ser-Val-Ser-Glu-Ile-Gln-Leu-Met-His-Asn-Leu-Gly-Lys- His-Leu-Asn-Ser-Met-Glu-Arg-Val-Glu-Trp-Leu-Arg-Lys-Lys-Leu- Gln-Asp-Val-His-Asn-Phe-OH <i>((Lys)₆-PTH(1-34)(Human)-OH)</i> (SEQ ID NO. 90)
25 – 50% B in 15 minutes	H-His-Ala-Glu-Gly-Thr-Phe-Thr-Ser-Asp-Val-Ser-Ser-Tyr-Leu-Glu- Gly-Gln-Ala-Ala-Lys-Glu-Phe-Ile-Ala-Trp-Leu-Val-Lys-Gly-Arg- OH <i>(GLP-1(7-36)(Human)-OH)</i> (SEQ ID NO. 118)

25 – 50% B in 15 minutes	H-His-Ala-Glu-Gly-Thr-Phe-Thr-Ser-Asp-Val-Ser-Ser-Tyr-Leu-Glu- Gly-Gln-Ala-Ala-Lys-Glu-Phe-Ile-Ala-Trp-Leu-Val-Lys-Gly-Arg- (Lys) ₆ -OH (GLP-1(7-36)(Human)-(Lys) ₆ -OH) (SEQ ID NO. 92)
5 – 50% B in 15 minutes	H-Gly-Gly-Thr-Tyr-Ser-Cys-His-Phe-Gly-Pro-Leu-Thr-Trp-Val- Cys-Lys-Pro-Gln-Gly-Gly-OH (EMP-1-OH) (SEQ ID NO. 117)
5 – 50% B in 15 minutes	H-Gly-Gly-Thr-Tyr-Ser-Cys-His-Phe-Gly-Pro-Leu-Thr-Trp-Val- Cys-Lys-Pro-Gln-Gly-Gly-(Lys) ₆ -OH (EMP-1-(Lys) ₆ -OH) (SEQ ID NO. 93)
10 – 50% B in 15 minutes	H-(Lys) ₆ -Gly-Gly-Thr-Tyr-Ser-Cys-His-Phe-Gly-Pro-Leu-Thr- Trp-Val-Cys-Lys-Pro-Gln-Gly-Gly-OH ((Lys) ₆ -EMP-1-OH) (SEQ ID NO. 94)
10 – 50% B in 15 minutes	H-(Lys) ₆ -Gly-Gly-Thr-Tyr-Ser-Cys-His-Phe-Gly-Pro-Leu-Thr- Trp-Val-Cys-Lys-Pro-Gln-Gly-Gly-(Lys) ₆ -OH ((Lys) ₆ -EMP-1-(Lys) ₆ -OH) (SEQ ID NO. 95)
5 – 40% B in 15 minutes	H-Arg-Pro-Lys-Pro-Gln-Gln-Phe-Phe-Gly-Leu-Met-NH ₂ (Substance P-NH ₂) (SEQ ID NO. 112)
5 – 40% B in 15 minutes	H-Arg-Pro-Lys-Pro-Gln-Gln-Phe-Phe-Gly-Leu-Met-(Lys) ₆ -NH ₂ (Substance P-(Lys) ₆ -NH ₂) (SEQ ID NO. 111)
25 – 40% B in 15 minutes	H-(Lys) ₆ -Arg-Pro-Lys-Pro-Gln-Gln-Phe-Phe-Gly-Leu-Met-NH ₂ ((Lys) ₆ -Substance P-NH ₂) (SEQ ID NO. 113)

40 – 100% B in 15 minutes	H-Trp-Ala-Gly-Gly-Asp-Ala-Ser-Gly-Glu-OH (<i>DSIP</i>) (SEQ ID NO. 110)
40 – 100% B in 15 minutes	H-Trp-Ala-Gly-Gly-Asp-Ala-Ser-Gly-Glu-(Lys-Glu) ₃ -OH (<i>DSIP</i> -(<i>Lys-Glu</i>) ₃ -OH) (SEQ ID NO. 8)
5 – 30% B in 15 minutes	H-Tyr-Gly-Gly-Phe-Leu-OH (<i>Leu-Enkephalin</i>) (SEQ ID NO. 12)
5 – 30% B in 15 minutes	H-Tyr-Gly-Gly-Phe-Leu-(Lys) ₆ -OH (<i>Leu-Enkephalin</i> -(<i>Lys</i>) ₆ -OH) (SEQ ID NO. 11)
10 – 35% B in 15 minutes	H-(Lys) ₆ -Tyr-Gly-Gly-Phe-Leu-OH (<i>(Lys)</i> ₆ - <i>Leu-Enkephalin-OH</i>) (SEQ ID NO. 101)
10 – 35% B in 15 minutes	H-(Lys) ₆ -Tyr-Gly-Gly-Phe-Leu-(Lys) ₆ -OH (<i>(Lys)</i> ₆ - <i>Leu-Enkephalin</i> -(<i>Lys</i>) ₆ -OH) (SEQ ID NO. 102)
5 – 30% B in 15 minutes	H-Tyr-Gly-Gly-Phe-Leu-(Lys) ₁₀ -OH (<i>Leu-Enkephalin</i> -(<i>Lys</i>) ₁₀ -OH) (SEQ ID NO. 109)
5 – 30% B in 15 minutes	H-Tyr-Gly-Gly-Phe-Leu-(Orn) ₆ -OH (<i>Leu-Enkephalin</i> -(<i>Orn</i>) ₆ -OH) (SEQ ID NO. 106)
5 – 30% B in 15 minutes	H-Tyr-Gly-Gly-Phe-Leu-(Dbu) ₆ -OH (<i>Leu-Enkephalin</i> -(<i>Dbu</i>) ₆ -OH) (SEQ ID NO. 107)
5 – 30% B in 15 minutes	H-Tyr-Gly-Gly-Phe-Leu-(Dpr) ₆ -OH (<i>Leu-Enkephalin</i> -(<i>Dpr</i>) ₆ -OH) (SEQ ID NO. 108)
5 – 30% B in 15 minutes	H-Tyr-Gly-Gly-Phe-Leu-Lys(Glu) ₄ -Lys-OH (<i>Leu-Enkephalin-Lys</i> -(<i>Glu</i>) ₄ - <i>Lys-OH</i>) (SEQ ID NO. 98)

5 – 30% B in 15 minutes	H-Tyr-Gly-Gly-Phe-Leu-Lys-(Glu) ₃ -(Lys) ₂ -OH (<i>Leu-Enkephalin-Lys-(Glu)₃-(Lys)₂-OH</i>) (SEQ ID NO. 120)
----------------------------	---

--

On page 65, lines 19-20, please insert after “(PTH(1-34)(Human)-OH) ”, --(SEQ ID NO. 119)--.

On page 65, lines 23-24, please insert after “H-Ser-Val-Ser-Glu-Ile-Gln-Leu-Met-His-Asn-Leu-Gly-Lys-His-Leu-Asn-Ser-Met-Glu-Arg-Val-Glu-Trp-Leu-Arg-Lys-Lys-Leu-Gln-Asp-Val-His-Asn-Phe-OH”, --(SEQ ID NO. 119)--.

On page 66, lines 5-6, please insert after “H-Ser-Val-Ser-Glu-Ile-Gln-Leu-Met-His-Asn-Leu-Gly-Lys-His-Leu-Asn-Ser-Met-Glu-Arg-Val-Glu-Trp-Leu-Arg-Lys-Lys-Leu-Gln-Asp-Val-His-Asn-Phe-OH”, --(SEQ ID NO. 119)--.

On page 66, line 14, please insert after “(PTH(1-34)(Human)-(Lys)₆-OH)”, --(SEQ ID NO. 91)--.

On page 66, lines 17-19, please insert after “H-Ser-Val-Ser-Glu-Ile-Gln-Leu-Met-His-Asn-Leu-Gly-Lys-His-Leu-Asn-Ser-Met-Glu-Arg-Val-Glu-Trp-Leu-Arg-Lys-Lys-Leu-Gln-Asp-Val-His-Asn-Phe-(Lys)₆-OH”, --(SEQ ID NO. 91)--.

On page 66, lines 25-27, please insert after “H-Ser-Val-Ser-Glu-Ile-Gln-Leu-Met-His-Asn-Leu-Gly-Lys-His-Leu-Asn-Ser-Met-Glu-Arg-Val-Glu-Trp-Leu-Arg-Lys-Lys-Leu-Gln-Asp-Val-His-Asn-Phe-(Lys)₆-OH”, --(SEQ ID NO. 91)--.

On page 67, line 3, please insert after “((Lys)₆-PTH(1-34)(Human)-OH)”, --(SEQ ID NO. 90)--.

On page 67, lines 6-8, please insert after "H-(Lys)₆-Ser-Val-Ser-Glu-Ile-Gln-Leu-Met-His-Asn-Leu-Gly-Lys-His-Leu-Asn-Ser-Met-Glu-Arg-Val-Glu-Trp-Leu-Arg-Lys-Lys-Leu-Gln-Asp-Val-His-Asn-Phe-OH", --(SEQ ID NO. 90)--.

On page 67, line 14, please insert after "(GLP-1(7-36)(Human)-OH) ", --(SEQ ID NO. 118)--.

On page 67, lines 17-18, please insert after "H-His-Ala-Glu-Gly-Thr-Phe-Thr-Ser-Asp-Val-Ser-Ser-Tyr-Leu-Glu-Gly-Gln-Ala-Ala-Lys-Glu-Phe-Ile-Ala-Trp-Leu-Val-Lys-Gly-Arg-OH", --(SEQ ID NO. 118)--.

On page 67, lines 25-26, please insert after "H-His-Ala-Glu-Gly-Thr-Phe-Thr-Ser-Asp-Val-Ser-Ser-Tyr-Leu-Glu-Gly-Gln-Ala-Ala-Lys-Glu-Phe-Ile-Ala-Trp-Leu-Val-Lys-Gly-Arg-OH", --(SEQ ID NO. 118)--.

On page 68, line 3, please insert after "(GLP-1(7-36)(Human)-(Lys)₆-OH)", --(SEQ ID NO. 92)--.

On page 68, lines 6-7, please insert after "H-His-Ala-Glu-Gly-Thr-Phe-Thr-Ser-Asp-Val-Ser-Ser-Tyr-Leu-Glu-Gly-Gln-Ala-Ala-Lys-Glu-Phe-Ile-Ala-Trp-Leu-Val-Lys-Gly-Arg-(Lys)₆-OH", --(SEQ ID NO. 92)--.

On page 68, lines 14-15, please insert after "H-His-Ala-Glu-Gly-Thr-Phe-Thr-Ser-Asp-Val-Ser-Ser-Tyr-Leu-Glu-Gly-Gln-Ala-Ala-Lys-Glu-Phe-Ile-Ala-Trp-Leu-Val-Lys-Gly-Arg-(Lys)₆-OH", --(SEQ ID NO. 92)--.

On page 68, line 22, please insert after "(EMP-1-OH)", --(SEQ ID NO. 117)--.

On page 68, lines 25-26, please insert after "H-Gly-Gly-Thr-Tyr-Ser-Cys-His-Phe-Gly-Pro-Leu-Thr-Trp-Val-Cys-Lys-Pro-Gln-Gly-Gly-OH", --(SEQ ID NO. 117)--.

On page 69, lines 2-3, please insert after "H-Gly-Gly-Thr-Tyr-Ser-Cys-His-Phe-Gly-Pro-Leu-Thr-Trp-Val-Cys-Lys-Pro-Gln-Gly-Gly-OH", --(SEQ ID NO. 117)--.

On page 69, line 8, please insert after "(EMP-1-(Lys)₆-OH)", --(SEQ ID NO. 93)--.

On page 69, lines 11-12, please insert after "H-Gly-Gly-Thr-Tyr-Ser-Cys-His-Phe-Gly-Pro-Leu-Thr-Trp-Val-Cys-Lys-Pro-Gln-Gly-Gly-(Lys)₆-OH", --(SEQ ID NO. 93)--.

On page 69, lines 17-18, please insert after "H-Gly-Gly-Thr-Tyr-Ser-Cys-His-Phe-Gly-Pro-Leu-Thr-Trp-Val-Cys-Lys-Pro-Gln-Gly-Gly-(Lys)₆-OH", --(SEQ ID NO. 93)--.

On page 69, line 23, please insert after "((Lys)₆-EMP-1-OH)", --(SEQ ID NO. 94)--.

On page 69, lines 26-27, please insert after "H-(Lys)₆-Gly-Gly-Thr-Tyr-Ser-Cys-His-Phe-Gly-Pro-Leu-Thr-Trp-Val-Cys-Lys-Pro-Gln-Gly-Gly-OH", --(SEQ ID NO. 94)--.

On page 70, line 2, please insert after "((Lys)₆-EMP-1-(Lys)₆-OH)", --(SEQ ID NO. 95)--.

On page 70, lines 5-6, please insert after "H-(Lys)₆-Gly-Gly-Thr-Tyr-Ser-Cys-His-Phe-Gly-Pro-Leu-Thr-Trp-Val-Cys-Lys-Pro-Gln-Gly-Gly-(Lys)₆-OH", --(SEQ ID NO. 95)--.

On page 70, line 10, please insert after "(Substance P)", --(SEQ ID NO. 112)--.

On page 70, line 13, please insert after "H-Arg-Pro-Lys-Pro-Gln-Gln-Phe-Phe-Gly-Leu-Met-NH₂", --(SEQ ID NO. 112)--.

On page 70, line 20, please insert after "H-Arg-Pro-Lys-Pro-Gln-Gln-Phe-Phe-Gly-Leu-Met-NH₂", --(SEQ ID NO. 112)--.

On page 70, line 27, please insert after "H-Arg-Pro-Lys-Pro-Gln-Gln-Phe-Phe-Gly-Leu-Met-(Lys)₆-NH₂ (Substance P-(Lys)₆-NH₂)", --(SEQ ID NO. 111)--.

On page 70, line 30, please insert after "H-Arg-Pro-Lys-Pro-Gln-Gln-Phe-Phe-Gly-Leu-Met-(Lys)₆-NH₂", --(SEQ ID NO. 111)--.

On page 71, line 5, please insert after "H-Arg-Pro-Lys-Pro-Gln-Gln-Phe-Phe-Gly-Leu-Met-(Lys)₆-NH₂", --(SEQ ID NO. 111)--.

On page 71, line 12, please insert after "((Lys)₆-Substance P-NH₂)", --(SEQ ID NO. 113)--.

On page 71, line 15, please insert after "H-(Lys)₆-Arg-Pro-Lys-Pro-Gln-Gln-Phe-Phe-Gly-Leu-Met-NH₂", --(SEQ ID NO. 113)--.

On page 71, line 21, please insert after "H-Trp-Ala-Gly-Gly-Asp-Ala-Ser-Gly-Glu-OH (DSIP)", --(SEQ ID NO. 110)--.

On page 71, line 24, please insert after "H-Trp-Ala-Gly-Gly-Asp-Ala-Ser-Gly-Glu-OH", --(SEQ ID NO. 110)--.

On page 72, line 1, please insert after "(DSIP-(Lys-Glu)₃-OH)", --(SEQ ID NO. 8)--.

On page 72, line 4, please insert after "H-Trp-Ala-Gly-Gly-Asp-Ala-Ser-Gly-Glu-(Lys-Glu)₃-OH", --(SEQ ID NO. 8)--.

On page 72, line 9, please insert after "H-Tyr-Gly-Gly-Phe-Leu-OH (Leu-Enkephalin)", --(SEQ ID NO. 12)--.

On page 72, line 12, please insert after "H-Tyr-Gly-Gly-Phe-Leu-OH", --(SEQ ID NO. 12)--.

On page 72, line 18, please insert after "H-Tyr-Gly-Gly-Phe-Leu-OH", --(SEQ ID NO. 12)--.

On page 72, line 23, please insert after "(Leu-Enkephalin-(Lys)₆-OH)", --(SEQ ID NO. 11)--.

On page 72, line 26, please insert after "H-Tyr-Gly-Gly-Phe-Leu-(Lys)₆-OH", --(SEQ ID NO. 11)--.

On page 73, line 3, please insert after "H-Tyr-Gly-Gly-Phe-Leu-(Lys)₆-OH", --(SEQ ID NO. 11)--.

On page 73, line 8, please insert after "((Lys)₆-Leu-Enkephalin-OH)", --(SEQ ID NO. 101)--.

On page 73, line 11, please insert after "H-(Lys)₆-Tyr-Gly-Gly-Phe-Leu-OH", --(SEQ ID NO. 101)--.

On page 73, line 17, please insert after "((Lys)₆-Leu-Enkephalin-(Lys)₆-OH)", --(SEQ ID NO. 102)--.

On page 73, line 20, please insert after "H-(Lys)₆-Tyr-Gly-Gly-Phe-Leu-(Lys)₆-OH", --(SEQ ID NO. 102)--.

On page 73, line 25, please insert after "(Leu-Enkephalin-(Lys)₁₀-OH)", --(SEQ ID NO. 109)--.

On page 73, line 28, please insert after "H-Tyr-Gly-Gly-Phe-Leu-(Lys)₁₀-OH", --(SEQ ID NO. 109)--.

On page 74, line 3, please insert after "H-Tyr-Gly-Gly-Phe-Leu-(Lys)₁₀-OH", --(SEQ ID NO. 109)--.

On page 74, line 8, please insert after "(Leu-Enkephalin-(Orn)₆-OH)", --(SEQ ID NO. 106)--.

On page 74, line 11, please insert after "H-Tyr-Gly-Gly-Phe-Leu-(Orn)₆-OH", --(SEQ ID NO. 106)--.

On page 74, line 18, please insert after "H-Tyr-Gly-Gly-Phe-Leu-(Orn)₆-OH", --(SEQ ID NO. 106)--.

On page 74, line 22, please insert after "(Leu-Enkephalin-(Dbu)₆-OH)", --(SEQ ID NO. 107)--.

On page 74, line 25, please insert after "H-Tyr-Gly-Gly-Phe-Leu-(Dbu)₆-OH", --(SEQ ID NO. 107)--.

On page 75, line 2, please insert after "H-Tyr-Gly-Gly-Phe-Leu-(Dbu)₆-OH", --(SEQ ID NO. 107)--.

On page 75, line 7, please insert after "(Leu-Enkephalin-(Dpr)₆-OH)", --(SEQ ID NO. 108)--.

On page 75, line 10, please insert after "H-Tyr-Gly-Gly-Phe-Leu-(Dpr)₆-OH", --(SEQ ID NO. 108)--.

On page 75, line 17, please insert after "H-Tyr-Gly-Gly-Phe-Leu-(Dpr)₆-OH", --(SEQ ID NO. 108)--.

On page 75, line 22, please insert after "(Leu-Enkephalin-Lys-(Glu)₄-Lys-OH)", --(SEQ ID NO. 98)--.

On page 75, line 25, please insert after "H-Tyr-Gly-Gly-Phe-Leu-Lys-(Glu)₄-Lys-OH", --(SEQ ID NO. 98)--.

On page 76, line 2, please insert after "H-Tyr-Gly-Gly-Phe-Leu-Lys-(Glu)₄-Lys-OH", --(SEQ ID NO. 98)--.

On page 76, lines 8-9, please insert after "H-Tyr-Gly-Gly-Phe-Leu-Lys-(Glu)₃-(Lys)₂-OH (Leu-Enkephalin-Lys-(Glu)₃-(Lys)₂-OH)", --(SEQ ID NO. 120)--.

On page 76, line 12, please insert after "H-Tyr-Gly-Gly-Phe-Leu-Lys-(Glu)₃-(Lys)₂-OH", --(SEQ ID NO. 120)--.

On page 76, line 19, please insert after "H-Tyr-Gly-Gly-Phe-Leu-Lys-(Glu)₃-(Lys)₂-OH", --(SEQ ID NO. 120)--.

On page 76, line 27, please insert after "Leu-enkephalin-OH", --(SEQ ID NO. 12)--.

On page 76, line 27, please insert after "Leu-enkephalin-(Lys)₆-OH", --(SEQ ID NO. 11)--.

On page 76, line 30, please insert after "Leu-enkephalin-(Lys)₆-OH", --(SEQ ID NO. 11)--.

On page 76, line 31, please insert after "Leu-enkephalin-(Lys)₆-OH", --(SEQ ID NO. 11)--.

On page 77, line 5, please insert after "Leu-enkephalin-OH", --(SEQ ID NO. 12)--.

On page 77, line 5, please insert after "Leu-enkephalin-(Lys)₆-OH", --(SEQ ID NO. 11)--.

On page 77, line 19, please insert after "Leu-enkephalin-OH", --(SEQ ID NO. 12)--.

On page 77, lines 19-20, please insert after "Leu-enkephalin-(Lys)₆-OH", --(SEQ ID NO. 11)--.

On page 77, line 22, please insert after "Leu-enkephalin-OH", --(SEQ ID NO. 12)--.

On page 77, line 22, please insert after "Leu-enkephalin-(Lys)₆-OH", --(SEQ ID NO. 11)--.

On page 77, line 23, please insert after "Leu-enkephalin-(Lys)₆-OH", --(SEQ ID NO. 11)--.

On page 78, please delete

“Table 2: Functional activity in serum after p.o. or i.v. administration of Leu-enkephalin-(Lys)6-OH in mice (n=6-8 serum samples per time point; mean \pm S.E.M.).

p.o. administration		i.v. administration	
Time, min	Activity Leu-enkephalin-(Lys)6-OH (nM)	Time, min	Activity Leu-enkephalin-(Lys)6-OH (nM)
0	0	5	15900 2400
15	< Detection Limit	15	8500 1200
30	3000 800	30	6000 950
60	6000 1300	60	1600 340
90	10900 3800	180	440 110
240	10700 230	240	2500 320
480	5000 580	370	31200 8620
960	2800 780	720	< Detection Limit
1380	< Detection Limit	1080	< Detection Limit
N/A	N/A	1440	< Detection Limit

N/A: Non Applicable”

On page 78, please insert

--**Table 2:** Functional activity in serum after p.o. or i.v. administration of Leu-enkephalin-(Lys)6-OH (SEQ ID NO. 11) in mice (n=6-8 serum samples per time point; mean \pm S.E.M.).

p.o. administration		i.v. administration	
Time, min	Activity Leu-enkephalin-(Lys)6-OH (nM) (SEQ ID NO. 11)	Time, min	Activity Leu-enkephalin-(Lys)6-OH (nM) (SEQ ID NO. 11)
0	0	5	15900 2400
15	< Detection Limit	15	8500 1200
30	3000 800	30	6000 950
60	6000 1300	60	1600 340
90	10900 3800	180	440 110
240	10700 230	240	2500 320
480	5000 580	370	31200 8620
960	2800 780	720	< Detection Limit
1380	< Detection Limit	1080	< Detection Limit
N/A	N/A	1440	< Detection Limit

N/A: Non Applicable --

On page 78, line 6, please insert after "Leu-enkephalin-(Lys)6-OH ", --(SEQ ID NO. 11)-

.

On page 78, line 11, please insert after "Leu-enkephalin-(Lys)6-OH", --(SEQ ID NO. 11)--.

On page 78, line 12, please insert after "Leu-enkephalin-(Lys)6-OH", --(SEQ ID NO. 11)--.

On page 78, line 15, please insert after "Leu-enkephalin-(Lys)₆-OH", --(SEQ ID NO. 11)--.

On page 78, line 16, please insert after "Leu-enkephalin-OH", --(SEQ ID NO. 12)--.

On page 78, line 18, please insert after "Leu-enkephalin-(Lys)₆-OH", --(SEQ ID NO. 11)--.

On page 78, line 20, please insert after "Leu-enkephalin-OH", --(SEQ ID NO. 12)--.

On page 78, line 20, please insert after "Leu-enkephalin", --(SEQ ID NO. 12)--.

On page 79, line 2, please insert after "Leu-enkephalin-OH", --(SEQ ID NO. 12)--.

On page 79, line 2, please insert after "Leu-Enkephalin-(Lys)₆-OH", --(SEQ ID NO. 11)-

On page 79, line 4, please insert after "Leu-enkephalin-OH", --(SEQ ID NO. 12)--.

On page 79, line 4, please insert after "Leu-Enkephalin-(Lys)₆-OH", --(SEQ ID NO. 11)-

On page 79, lines 4-5, please insert after "Leu-Enkephalin-(Glu₂-Lys-Glu₃)-OH", --(SEQ ID NO. 121)--.

On page 79, line 5, please insert after "Leu-Enkephalin-(Lys-Glu₄-Lys)-OH", --(SEQ ID NO. 98)--.

On page 79, line 5, please delete "Leu-Enkephalin-(ORN)₆-OH" and insert in its place, -- (Leu-Enkephalin-(Orn)₆-OH) (SEQ ID NO. 106)--.

On page 79, lines 5-6, please delete "Leu-Enkephalin-(DBU)₆-OH" and insert in its place, --(Leu-Enkephalin-(Dbu)₆-OH) (SEQ ID NO. 107)--.

On page 79, line 6, please delete "Leu-Enkephalin-(DPR)₆-OH", and insert in its place --(Leu-Enkaphalin-(Dpr)₆-OH) (SEQ ID NO. 108)--.

On page 79, line 6, please insert after "Leu-Enkephalin-(Lys)₁₀-OH", --(SEQ ID NO. 109)--.

09341590 071399

On page 80, please delete

“Table 3: EC50 and T1/2 values for various enkephalin analogues (n=3-4/test substance; mean).**”**

Compound	EC50 value (nM)	T 1/2 min
Leu-Enkephalin-OH	65	6.3
Leu-Enkephalin-(Lys)6-OH	160	18.7
Leu-Enkephalin-(Glu)6-OH	140	ND
Leu-Enkephalin-(Lys-Glu)3-OH	350	ND
Leu-Enkephalin-(Lys2-Glu3-Lys)-OH	680	ND
Leu-Enkephalin-(Lys-Glu4-Lys)-OH	357	84.5
Leu-Enkephalin-(orn)6-OH	>20000	ND
Leu-Enkephalin-(Dbu)6-OH	20000	ND
Leu-Enkephalin-(Dpr)6-OH	200	19.8
Leu-Enkephalin-(Lys)10-OH	2500	ND

ND: Not determined.”

and insert in its place,

--Table 3: EC₅₀ and T_{1/2} values for various enkephalin analogues (n=3-4/test substance; mean).

Compound	EC ₅₀ value (nM)	T 1/2 min
Leu-Enkephalin-OH (SEQ ID NO. 12)	65	6.3
Leu-Enkephalin-(Lys) ₆ -OH (SEQ ID NO. 11)	160	18.7
Leu-Enkephalin-(Glu) ₆ -OH (SEQ ID NO. 10)	140	ND
Leu-Enkephalin-(Lys-Glu) ₃ -OH (SEQ ID NO. 101)	350	ND
Leu-Enkephalin-(Lys ₂ -Glu ₃ -Lys)-OH (SEQ ID NO. 99)	680	ND
Leu-Enkephalin-(Lys-Glu ₄ -Lys)-OH (SEQ ID NO. 98)	357	84.5
Leu-Enkephalin-(Orn) ₆ -OH (SEQ ID NO. 106)	>20000	ND
Leu-Enkephalin-(Dbu) ₆ -OH (SEQ ID NO. 107)	20000	ND
Leu-Enkephalin-(Dpr) ₆ -OH (SEQ ID NO. 100)	200	19.8
Leu-Enkephalin-(Lys) ₁₀ -OH (SEQ ID NO. 109)	2500	ND

ND: Not determined. --

On page 80, line 5, please insert after "Leu-Enkephalin-OH", --(SEQ ID NO. 12)--.

On page 80, line 8, please delete "Leu-enkephalin-OH" and insert in its place, --(Leu-Enkephalin-OH) (SEQ ID NO. 12)--.

On page 80, line 21, please delete "Leu-enkephalin-OH" and insert in its place, --(Leu-Enkephalin-OH) (SEQ ID NO. 12)--.

On page 81, please delete,

Table 4: Affinity of Leu-Enkephalin-OH analogues at μ opioid receptors measured as ^3H -DAMGO binding (IC_{50} values (mean \pm SD)).

Compound	IC ₅₀ values (nM)	IC ₅₀ values (nM)
	Time 0 hours	Time 18 hours
Leu-Enkephalin-OH	97 \pm 9	80
Leu-Enkephalin-(Lys) ₆ -OH	17 \pm 7	32
Leu-Enkephalin-(Glu) ₆ -OH	10,000	5,000
Leu-Enkephalin-(Lys-Glu) ₃ -OH	450 \pm 130	900
Naloxone	9.2 \pm 1.0	7

and insert in its place,

Table 4: Affinity of Leu-Enkephalin-OH (SEQ ID NO. 12) analogues at μ opioid receptors measured as ^3H -DAMGO binding (IC_{50} values (mean \pm SD)).

Compound	IC ₅₀ values (nM)	IC ₅₀ values (nM)
	Time 0 hours	Time 18 hours
Leu-Enkephalin-OH (SEQ ID NO. 12)	97 \pm 9	80
Leu-Enkephalin-(Lys) ₆ -OH (SEQ ID NO. 11)	17 \pm 7	32
Leu-Enkephalin-(Glu) ₆ -OH (SEQ ID NO. 10)	10,000	5,000
Leu-Enkephalin-(Lys-Glu) ₃ -OH (SEQ ID NO. 101)	450 \pm 130	900
Naloxone	9.2 \pm 1.0	7

On page 81, line 5, please insert after “Leu-Enkephalin-(Glu)₆-OH”, --(SEQ ID NO. 10)-

On page 81, lines 6-7, please insert after "Leu-Enkephalin-(Glu)₆-OH", --(SEQ ID NO. 10)--.

On page 81, line 9, please insert after "EMP-1-K₆", --(SEQ ID NO. 93)--.

On page 81, line 10, please insert after "EMP-1", --(SEQ ID NO. 117)--.

On page 81, line 10, please insert after "EMP-1-K₆", --(SEQ ID NO. 93)--.

On page 81, line 11, please insert after "EMP-1", --(SEQ ID NO. 117)--.

On page 81, line 12, please insert after "EMP-1-K₆", --(SEQ ID NO. 93)--.

On page 81, line 17, please insert after "EMP-1", --(SEQ ID NO. 117)--.

On page 81, line 17, please insert after "EMP-1-K₆", --(SEQ ID NO. 93)--.

On page 82, please delete,

“Table 5: Changes in body weight and in hematological parameters 4 days after p.o. administration of 956 nmol EMP-1 or EMP-1-K6. Relative changes are presented in parenthesis (mean \pm SEM).

	EMP-1 p.o.	EMP-1-K6 p.o.
BW (g)	3.4 \pm 0.2 (16 \pm 1%)	3.4 \pm 0.3 (15 \pm 2%)
P-hgb (mM)	+1.5 \pm 0.5 (+8 \pm 1%)	+2.4 \pm 0.3* (+15 \pm 2%*)
Hematocrit (%)	0.3 \pm 0.8 (0.8 \pm 1.8%)	4.5 \pm 0.9* (12.3 \pm 2.3%*)
RBC (1012 cells/l)	0.6 \pm 0.2 (9 \pm 3%)	1.0 \pm 0.1* (17 \pm 2%*)
MCHC (mM)	2.9 \pm 1.5 (4 \pm 2%)	0.2 \pm 1.5 (0 \pm 2%)

*: p<0.05 vs. EMP-1 p.o.”

and insert in its place,

--Table 5: Changes in body weight and in hematological parameters 4 days after p.o. administration of 956 nmol EMP-1 (SEQ ID NO. 117) or EMP-1-K₆ (SEQ ID NO. 93). Relative changes are presented in parenthesis (mean \pm SEM).

	EMP-1 p.o. (SEQ ID NO. 117)	EMP-1-K ₆ p.o. (SEQ ID NO. 93)
BW (g)	3.4 \pm 0.2 (16 \pm 1%)	3.4 \pm 0.3 (15 \pm 2%)
P-hgb (mM)	+1.5 \pm 0.5 (+8 \pm 1%)	+2.4 \pm 0.3* (+15 \pm 2%*)
Hematocrit (%)	0.3 \pm 0.8 (0.8 \pm 1.8%)	4.5 \pm 0.9* (12.3 \pm 2.3%*)
RBC (10 ¹² cells/l)	0.6 \pm 0.2 (9 \pm 3%)	1.0 \pm 0.1* (17 \pm 2%*)
MCHC (mM)	2.9 \pm 1.5 (4 \pm 2%)	0.2 \pm 1.5 (0 \pm 2%)

*: p<0.05 vs. EMP-1 p.o.--

On page 82, line 6, please insert after "EMP-1-K₆", --(SEQ ID NO. 93)--.

On page 82, line 8, please insert after "EMP-1-K₆", --(SEQ ID NO. 93)--.

On page 83, line 6, please insert after "human PTH (1-34)", --(SEQ ID NO. 119)--.

On page 83, line 16, please insert after "hPTH(1-34)", --(SEQ ID NO. 119)--.

On page 83, lines 17-18, please insert after "H-hPTH(1-34)-K₆-OH", --(SEQ ID NO. 91)--.

On page 83, line 18, please insert after "H-K₆-PTH(1-34)-OH", --(SEQ ID NO. 90)--.

On page 83, line 19, please insert after "hPTH(1-34)", --(SEQ ID NO. 119)--.

On page 83, line 19, please insert after "hPTH(1-34)", --(SEQ ID NO. 119)--.

On page 83, please delete

"Table 6

Compound / Assay	Retraction assay % Retracted cells	EIA Relative recovery %
Parathyroid Hormone	63.7	-
hPTH (1-34)	58.2	90.8
H-hPTH(1-34)-K ₆ -OH	37.4	61.8
H-K ₆ -PTH(1-34)-OH	34.7	79.1
Blank	11.8	-

and insert in its place,

--Table 6

Compound / Assay	Retraction assay % Retracted cells	EIA Relative recovery %
Parathyroid Hormone	63.7	-
hPTH (1-34) (SEQ ID NO. 119)	58.2	90.8
H-hPTH(1-34)-K ₆ -OH (SEQ ID NO. 91)	37.4	61.8
H-K ₆ -PTH(1-34)-OH (SEQ ID NO. 90)	34.7	79.1
Blank	11.8	-